Aruba · Bahamas · British Virgin Islands · Cayman Islands · Curacao · Cuba · Haiti · Jamaica · México · República Dominicana · Panama · Sint Maarten · United States · COCESNA

MEVA Network
Improvements to the ATS Voice Link

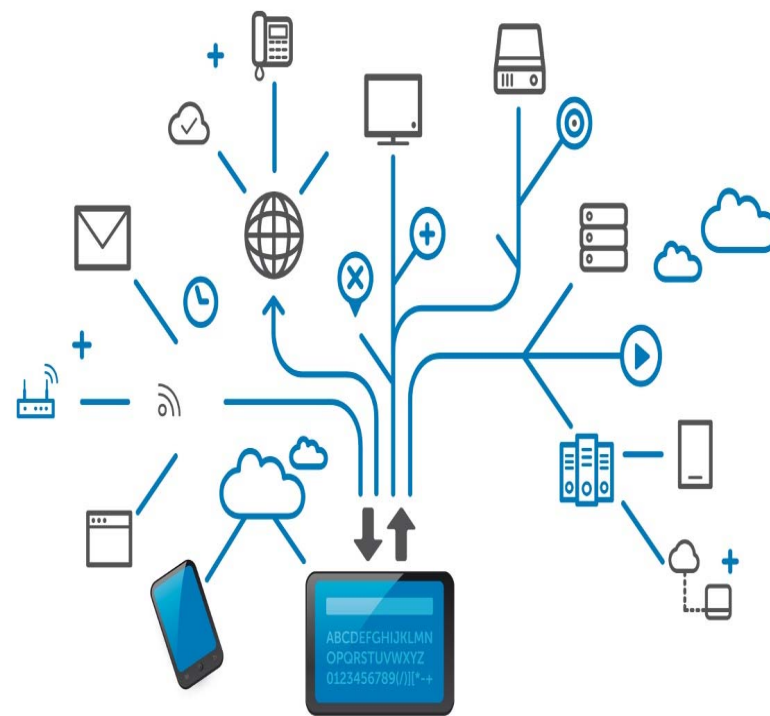# MEVA Network Technical Workgroup (TMG)

Since 1996 , the Caribbean States and Territories agreed to implement new technology to help to increase the safety and regularity of operations through the implementation of a common telecommunications network called the MEVA Network. *Mejoras al Enlace de Voz del ATS* (MEVA - Spanish equivalent of improvements to ATS Voice Link) . These improvements were put in place to improve the Regional reliability of the Aeronautical Fixed Services (AFS) telecommunications service. This regional network was upgraded in November 2006 becoming the MEVA II Network. The analyzing and evaluation of the MEVA Network performance is carried out by the MEVA Network Technical Group, composed by experts from each of the MEVA Members and assisted by ICAO.

Responsabilidad directa CNS
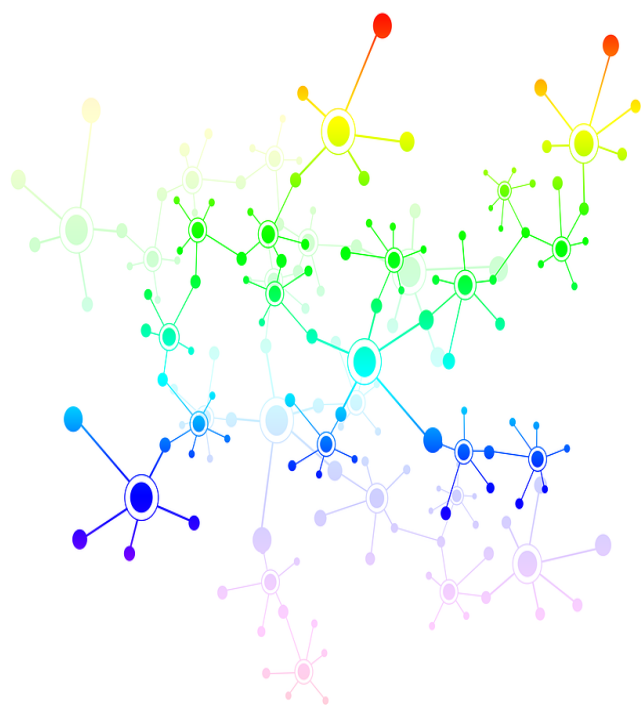Apoyo CNS

MEVA PHASE IV

✈ In accordance with the air traffic statistical analysis, it is expected that for 2034 the current aviation operations will be duplicated, this new challenge demands a more complex air traffic control to satisfy the security and efficiency needs demanded by aviation.

MEVA PHASE IV

Responsabilidad directa CNS
Apoyo CNS

✈ Additionally, external factors that normally affect aviation must be incorporated into this need, such as security (cybersecurity), environment (solar storms, volcanic eruptions, and hurricanes), economical resources and other factors.

✈ The interoperability in all phases demands the implementation of many different systems and the availability of the information to provide necessary data to take decision during the operations.

Analysis

- ✈ **Our Region has the same needs and implementation requirements of systems and mechanisms, which allow exchanging information and taking decisions based on quality and real time information**

- ✈ **The technology and communications infrastructure that the region possesses, will be the mechanism that supports the implementation of many services as SWIM/AIM, ATFM, SAR and others and could determine the quality of the information shared and that will serve as a platform to promote the security mechanisms and efficiency required to promote decision-making based on the same situational awareness.**

- ✈ **Regarding the information that we actually manage for decision-making, problems have been identified due to duplicity, origin issues, and lack of verification and integrity of the information, inconsistency, among others.**

- ✈ **Create the support mechanisms that allow States to ensure their continued operation.**

Conclusion

✈ **integrate an Ad-hoc, part of MEVA to develop a Technical/operational requirement for the new platform of IP-Communication for the new services; and develop an action plan for its execution in the next two years (2019-2020).**

Recommendation

To improve contingency procedures:

✈ Provide the MEVA working group with the oral and data communication needs to ensure the continuity of your State operations.

✈ Indicate backup communication needs in case of failure of your main communications network.

✈ Identify any improvement that can be driven through the new telecommunications network MEVA IV.